



Cystatin C Antibody

E80808-1

Product Type:	Rabbit Polyclonal IgG, primary antibodies
Catalog Number:	E80808-1
Amount:	100ul 0.51mg/ml
Positive control:	Human Kidney
Project ID:	R080802
Molecular Wt.:	14kDa
Cellular Localization:	Secretory Protein
Form of Antibody:	Liquid
Storage Buffer:	1*TBS (pH7.4), 0.5%BSA, 25%Glycerol. Preservative: 0.05% Sodium Azide.
Description:	Cystatin C a <u>protein</u> encoded by the CST3 <u>gene</u> , with molecular weight of 13260 Da, is composed of 120 amino acids, lacks carbohydrate and has two disulfide bridges located near the carboxyl terminus. Cystatin C is mainly used as a <u>biomarker</u> of <u>kidney function</u> . If kidney function and glomerular filtration rate decline, the blood levels of cystatin C rise. Recently, it has been studied for its role in predicting new-onset or deteriorating <u>cardiovascular disease</u> . It also seems to play a role in brain disorders involving <u>amyloid</u> (a specific type of protein deposition), such as <u>Alzheimer's disease</u> .
Storage/Stability:	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Purity:	Affinity purified
Recommended Dilutions:	WB: 1:1,000
Specificity/Sensitivity:	This antibody is produced by immunizing rabbits with a synthetic peptide (KLH-coupled) corresponding to human cystatin C.
Reactivity:	Human
Applications:	WB
Swiss-Prot No. :	SwissProt P01034
References:	1. Zurdell J., Finckh U., Menzer G., Nitsch R.M., Richard G.,"CST3 genotype associated with exudative age related macular degeneration.";Br. J. Ophthalmol. 86:214-219(2002). 2. Janowski R., Kozak M., Abrahamson M., Grubb A., Jaskolski M.,"3D domain-swapped human cystatin C with amyloid-like intermolecular beta-sheets.";Proteins 61:570-578(2005). 3. Ratnayaka A., Paraoan L., Spiller D.G., Hiscott P., Nelson G., White M.R., Grierson I.,"A dual Golgi- and mitochondria-localised Ala25Ser precursor cystatin C: an additional tool for characterising intracellular mis-localisation leading to increased AMD susceptibility.";Exp. Eye Res. 84:1135-1139(2007).

For Research Use Only

